

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:119	Late	LPZ-045	AGGTGACCGTGGGGATGGGGCGTGGGAAGACTTGTATGCTCATCTCCTACAC AAGCAACACGTTCCAACGGATTACGTGCCGACTGTTTGACAATTAGTGCAA TGTGGTTGTTGATGGCAATACAGTAAACCTTGGCTTGTGGACACTGCAGGGCAA GAAGATTACAACAGACTGAGGCCATTGAGTTAGAGGTGCAGATGCTTCTGCT TGCCTTTCTCTGATCAGCAAGGCTAGTTATGAAAATATCAAAGAAGTGGATTCC AGAACTTAGACATTATGCACCAAATGTGCCAATCATTCTGTGGAACTAAATTAGA TTTGCCTGATGACAAGCAGTTCTTGCTGATCATCCTGGAGCAGCCCCCTATAACAA CAGCTCAAGGTGAAGAGTTGAAGAAGCAGATTGGAGCAGCAGCATATATTGAGTG CAGTTCCAAAACCCAGCAGAATGTCAAGGCTGTTTGATGCTGCAATTAAAGTGG TTCTTCAGCCACCAAAGCAGAAAAAGCGGAGAAAAAGCAGAAAAATTGTTCTATT TCTAAGAAAAATGTGGATGTTCTGAACGCNCTCACTGACAATAANGNTGACGTNG GAATATCTTCCTCC
SEQ ID NO:120	Late	LPZ-047	AGGTGACCGTAAGCACAAGTCGTAAAATTATCTTCTATTCCGGCAGTAAAACCTAT AGCTAATGATGGATCAATACCACTAAGTGGCAGCTGGCGTACATCTGCAATGAT AAGAACCACTGATCAGTCCCCATATAATCAGGAGATATCTCCAGCACCTGCTGCACT ACATGTGGATCTTAGTACAGAGCCTGATCATCCTGAACACCAACAATACGTTGAA GCTCCGGGCTTCCACCAAGCAATACCAAGACTTGGGGAAATGTGAACGTTCACG AAGTGAATGGTACATACCTTGGGTTGATCTTCTTACACCAAGAACAGCGGCACCA AAATCAGGATAGGCACTTGGCTTCCCTCTCCATTGGACCACTCTGAACACAAAG CCTCGCAGCATCATCAATGCAGATAACTGGCGCCCTCACGGTCACCT
SEQ ID NO:121	Late	LPZ-049	AGGTGACCGTGCATAGCGCATGGCGTAACTGGATGAGACCGCATGGCTAAA TCTGCTAGGAATCAACATGAAATCAGCTCCAGCTGTTATCATATGAGCAAGTGGCA CGTTAAACTTGCTACTCCCTGACGTTGTGGATATTCTTCAAGCTCTCAA GCTGCTTCTCCAAGTACTTTACCGGTGCCTAGGATAATTAACTGCACGTTTCT CTGCAATTAGAGGGACAGCTCAGCAAGAATATCTGGACCTTGTCTTCAAGT CTTCCAATAATCCTATAACAGGAATATCTGGATCCACGGTCACCT
SEQ ID NO:122	Early	LPZ-051	ATGTGACCGTCAAAAGGGCATATAATCGGGGAGCTCAATGGCAAGAATGTACGAT TTCTGGCCTCAAGTCGCCCTGAATTGGTCAACAAACATCTGATAGAGCGAGAGGA CGCTCCCAATTAAGATCTGGAAACTGTCGAGAGTGATTGAGGTCTTTAATCTAA ACTGAATTGTGGGGACAATTTCATCAGATCCTCTAGCAAAGCAAAGCAAAGC TTAACAGTATTGTATCCATGAGAATGGATTCTGCACAGGTCAAGGCTCCACGGTCAC CT
SEQ ID NO:123	All	LPZ-053	AGGTGACCGTGGAGAAGAGAACGCTTGCCTCGACTCTGGATGCCCTCCCTCC ATAGCCCGTGTGGAGGACAGAGCTCCGGAAATCCTCTGTGCTGGAGAGCATCG TTGGAAGGGATTTCATCCCGTGGATCAGGTATTGTTACTAGACGGCCGCTTGTG CTTCAACTTCACAAGACTGATGAAGGCAGCAGGGATTACGCCAATTCTTCACCA ACCCAGAAAGAAATACACCGACTTGCAGGTAAGGAAGGAAATTGCGGATGAGA CTGATCGAATTACAGGGCGTTCCAAGCAAGTCTCAAGTGTCCCATTACCTTAGT ATTATTACCCAATGTTGAAATTGACTCTAATTGATCTCCCTGGGTTGACAAAAA GTGGCTATTGACGGTCACCT
SEQ ID NO:124	Middle	LPZ-054	AGGTGACCGTGCAATATTGTATTCCAGGACCAAGTACTTAGGACAGAACAGGTTA CGAGTGGCTCCACTCCACAATACGATGTTCATCGTTGATCACAATACAGGTTGT TAGTCCAAGTAGGTGCGCTGCTGCAGACAGTGGGGCAGCCCTCGTGGGCTTGG CTGCCTGTCTACTGTTCTCCTGCTTCAGGCTCTACTGCTGTTGCTGCTGCTG ATACGGTCACCT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:125	Middle	LPZ-055	AGGTGACCGTACATACAAGGTCTTATCACCAGCAGCAAGAATAATCAGTTGGCCATCTTCTGCAGGCTTCTGCTGCCTGAGACAGGAGCCTCAAGAAATCTCCCCCCTTTCAATGATTGCCTCATTGATCTTGTGAAGTGATAGTATCAACTGTTGACATGTCAATGTATCCTTCTGTACACATTGCTCTAGGACACCATCCGAGAGGGCAGCAGGAGGATCAGACAGGATGGCTATGGTATAGTGCACTTACAACACTCGGCAGGAGTGCTTCCTATGGAAGCACCTGCTGAACAAAGTTCTCACACCTAGACATTGTCCTATTCCACACGGTCACCT
SEQ ID NO:126	Late	LPZ-056	GGTGACCGTACATACAAGGTCTTATCACCAGCAGCAAGAATAATCAGTTGGCCATCTTCTGCAGGCTTCTGGCTGCCTGAGACAGGAGCCTCATGAAATCTCCCCCCTTTCAATGATTGCCTCATTGATCTTGTGAAGTGATAATATCAACTGTTGACATGTCAATGTATCCTTGTCCGTACACATTGCTCTAGGACACCATCCGAGAGGGCAGCAGGAGGATCAGACAGGATGGCTATGGTATAGTGCACTTACAACACTCGGCAGGAGTGCTTCCTATGGAAGCACCTGCTGAACAAAGTTCTCACACCTAGACATTGTCCTATTCCGCACGGTCACCT
SEQ ID NO:127	Late	LPZ-057	AGGTGACCGTGGAGGGCTCCAGTTATCTGCATTGATGATGCTGCGAGGCTGTGTCAGAGTGGTCCAATGGAGAAGGGAAAGACCAAGTGCCTATCCTGATTTGGTGC CGCTTGTCTGGTAGAGAGAAGATCAACCCAAGGTATGTACCATCACTCGTGAACGTTCACATTCCCCAAAGTCTGGTATTGCTGGTGGAAAGCCTGGAGCTTCAACGTATATTGTTGGTGTTCAGGATGATCAGGCTCTGTACTTAGATCCACATGTAGTGCAGCAGGTGGTGGAGATATCCTGATAATATGGGGTTGATACTGGTTCTTATCAT TGCAGTGATGTTGCCACTGCCACTTAATGCTATTGATCCATCATTAGCTATAGTTTTACTGCCCGGAATAGAAATAATTGACAACTGTGCTACGGCACCT
SEQ ID NO:128	Late	LPZ-058	AGGTGACCGTGGAGGGCTCCAGTTATCTGCATTGATGATGCTGCGAGGCTGTGTCAGAGTGGTCCAATGGAGAAGGGAAAGACCAAGTGCCTATCCTGATTTGGTGC CGCTTGTCTGGTAGAGAGAAGATCAACCCAAGGTATGTACCATCACTCGTGAACGTTCACATTCCCCAAAGTCTGGTATTGCTGGTGGAAAGCCTGGAGCTTCAACGTATATTGTTGGTGTTCAGGATGATCAGGCTCTGTACTTAGATCCACATGTAGTGCAGCAGGTGGTGGAGATATCCTGATAATATGGGGTTGATACTGGTTCTTATCAT TGCAGTGATGTACCCACTGCCACTTAGTGCTATTGATCCATCATTAGCTATAGTTTTACTGCCCGGAATAGAAAATTGACAACTGTGCTACGGCACCT
SEQ ID NO:129	Late	LPZ-059	AGGTGACCGTGCTAGGACACACAATTCTCAGCAAGGATTACAGGTGGATCCTAACAAAATTGCTATAATTCAAAAGGTTCCACCTCCTAAAAGGTAAGAGATGTTGGAGTTTCTAGGCTTGGCAGGATATTATAGAAGATTGATCAAAGATTCAAGCTAGGCC TCGCCATTGCTAGCCTCTAGGGAAAGATGTTGAGTTCAATGGACTGATGACTGCCAAGGGCTCTGGATGAGTTGAGAGATAAGCTGGTATCCGCCCGATCTGAGAGGTCTAAACTGGGCCCTACCTTCCACATCCACATTGATGCCTCGAACAAAGCCATAGGGCAGCCTAGGACAAGTTGAAGAGAAAATACCATATGCCATATACTTGTCA GCAAAAATCTGTCTAAGGCAGAACTGAACATACGGTCACT
SEQ ID NO:130	Late	LPZ-060	AGGTGACCGTCATATTCCCTCTATAGCAGCACTAACAACTCCATTGAGTGCATCAGAAAATCAACACACCGTAAATGTCTTGAGACTAACGAGAAATTAAATCACGTTGTACAAAGAACAGTATGTCCCGTCACGTCACGAGTGCCTGAGAGATCATCCAACATTCTCTGAACCCTCGTGTACACGCACGCAAAATCAAGGATCAGTTGAGTTATTGCTGGCGTGACAGACGTGACACCTACTGTTCCGCTACAAACGATATAATTGAATCCATGATCGGATTATGTATTGATCTTAGCGCAGTGGTTATGAAATTATGATGAATTGCTTATGAGTTCTCAGCGTTGTGAAGAATCTCGCTATTGAAAACCTCCCCGTATATTCCAAACTTATTATCATCCCCACGGTCCCT

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SEQ ID NO:131	Late	LPZ-061	AGGTGACCGTACAGCATTATTGATGTTCTATTTGTTGCAAGTTTCCGATT CGCTGTGAGGCACGGAAAACGAGATAAGTTGAAAGTTGCTCGCTGATTGAGG CACGGAAAACGAGATAAGTTGAAAGTTGCTCGCTGATTGCTGAATATTTC TCTCACTATAAAAAGCATTTCAGAAAATAAGAAGGGAGCTTCGAACGGTTTCCC CAAGAGTTGTAGGGGTTTCCACGGTCACCT
SEQ ID NO:132	Late	LPZ-062	AGGTGACCGTATTATGGTCGCAGGCACAAATTCTGCTACTGTAGAAGGGTTCTA CCAACTTGTAGTAGAAGGGCAGGAGGGCTTATTAGTACAGTCTGTGAATCTA ATGATATTGCACTATTATTTATGGTAAAGGATTGATTGCTTTGCAAAGG CCTTAGGATTGTTATTACCTTGGCTAAGGGAGGAGGAAATTTCACATTGG GAAAAAAATGCCTCGGTGTCACGGTCACCT
SEQ ID NO:133	Late	LPZ-063	AGGTGACCGTGCCAGTATGACAGATGAAACCATGCAGCTAGCCACCAAATTGTAAC CATCAAATTGCTTCAATATAAGTTGCAAATTCTTAATTATGATCACCAATTTC AACGGTCACCT
SEQ ID NO:134	Middle	LPZ-065	AGGTGACCGTGAATAGAAGCGAACACATCCTGTTGCTGAATCTAACGACCAATCG GTATTGGGTGTGTTGACTTGTCTTATCTGGTTAATCAGGCGGATCCTGCCCT GTAATCGGTCTTCCCCTCTCCTCGCTGAATTGACCTGAAACCTCTGAAGTA GCCCTGGTTCTGGCTTGACGAAAACATGGTTGATCTCCTCTCCTG CTACGGTCACCT
SEQ ID NO:135	Middle	LPZ-066	AGGTGACCGTGGTAGAGGGAGGCAGGCACTCATCTAACAGTCGAAAGCCCTTACA AAGGGGAATGGTACCGACATAGAGAAGAAACACAGACGGTTGAAGAGGATGATG GATCTGCCATAGATGAACGATCAAATAAGGTTCAAAGCTGGAAAATGATGGTGAAT TTCCATGCATCCCACTGGCTCTGTCCTCAAGTTGAATACCTGGACGAGAGGT ATTGCATTCCCAACGGTCACCT
SEQ ID NO:136	Middle	LPZ-067	AGGTGACCGTACTGATAATAGAAGAGGCAAGGAAAGAGAAATCAATGATAATAGAA GAGGCAGGGAAAGGGAGATCAATGGCATCATGCTACTTCTTAGCTGTTAACCT TAGTGATGTAATCTTCCATGGCAGACTCGGGGTTTATCTTAAGTTGAATTCCA TGCATCCCTGGCTCTGTCCTCAAGTTGAATACCTGGAAACAAGAGGTTGCT TTCCACGGTCCCCT
SEQ ID NO:137	Late	LPZ-069	AGGTGACCGTGAGAAGGCAACTTATCCCTGCTAAACCAAGTCCAGAAATGAGGA AAATATGTAAAAGTGAATTGCTATATGATGCTAGTCTGGCTCTCAATTACA AGTTCAACGTCTCAAATGATTGAAATATGGACCTCTTAACCGTTGGAAATCTA TCAATCTCAAATTTGAAACTTGCCTCGATCTGGAGTGATCAGACTGATTCT AATCCTAGAAATACCCATCACTGGTACCTGGTCTGTACGGTCACCT
SEQ ID NO:138	Late	LPZ-070	GGTGACCGTGGGATAGGCAGAAGCAAGAAACACAGAAGTTCTCCGGGAATGTAAGCGCTGACAGTGGGGAGAAAGTAGTGAAACAAGGACATGGTCGGTATGAAATACA TGGCAGGCATGGATTCAAGGGATTAAGCATCTCAATGGATATTACTATTGGAC TGTAGTAACCTTCGCCATCGCTTTGAACACATCTGGCTTAAGTGTACGGTCACCT ATGGTAAGCGAACCAAGGTTGTTCTGAACCACCTGTATGTACGGTCACCT
SEQ ID NO:139	Late	LPZ-071	AGGTGACCGTGGGGAGCGATTAGTGATTGTGATAAAGGGAGCATCAATATCTATG TAGACGCCGTATAAGGTTGAAAAGGTATGTTGCAAGGTATTCTTGAAATGGTTATAATGGGTTAAGCTCGGATATGAGGTTATATATAAGTCCTGTTAGTGTCACTCTTACAGCAGTCAAATGTCATTCAAGTGTGAGTCAGTCTCAAACAAAGTGAATTGAGTGTGTTCAAGGTCAAATTGGTCACTAGGCAT TAGGTCTAAGGGTTGCTGAACCTCCCTAGAGTTGCTCAAATGGCGGGCTATG TCATCATTAAAGCTGAATCTATCATCCAATCAATAAGGTTTCAATTATCATGTCAGT GTCTAAATGAGTCATTACCGTCTGTTCACGGCTCACTGTGCCTTGGCAAATTCAATTCCCTCCCAAGGGTTGAAACCAATTCTTGGACGGCCCTAAACCAAATCTGCAAATCCAC

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